

CLAIMS

1. A signal transducer specifically expressed in mouse mast cells, which is a purified protein having the amino acid sequence of SEQ ID No.

5 2.

2. A signal transducer specifically expressed in human mast cells, which is a purified protein having the amino acid sequence of SEQ ID No.

4.

10

3. A polynucleotide consisting of the base sequence of SEQ ID No. 1, which encodes the protein of claim 1.

4. A polynucleotide having the base sequence of SEQ ID No. 3, which encodes the protein of claim 2.

15

5. An expression vector involving the polynucleotide of claim 3.

6. An expression vector involving the polynucleotide of claim 4.

20

7. A cell transformed with the expression vector of claim 5, which produces the protein of claim 1.

8. A cell transformed with the expression vector of claim 6, which produces the protein of claim 2.

25

9. An antibody against the protein of claim 1.

10. An antibody against the protein of claim 2.

30

Sub A1

add A2